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ANNUAL
REPORT
OF THE
MEDICAL OFFICER
OF HEALTH
AND THE
SANITARY INSPECTOR


For the
YEAR 1945



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ANNUAL REPORT FOR 1945.

TO THE CHAIRMAN AND MEMBERS OF THE
MIRFIELD URBAN DISTRICT COUNCIL.

Mr. Chairman and Gentlemen,

During the absence of your Medical Officer of Health in Europe from April onwards, Dr. J. B. McKinney, Medical Officer of Health Spenborough, deputised.

Statistical returns were favourable, the birth rate (17.8) increased, death rate (12.65) remained low, and Infantile Mortality rate (25.38) compares with 43 for England and Wales. The latter figure is a record for the country. All infant deaths this year in Mirfield were neo-natal—actually under 1 week. No maternal deaths were recorded.

Infectious disease notifications (154) were principally due to the bi-yearly prevalence of measles (110). Scarletina (26), Whooping Cough (6) and Diphtheria (7) were about average in frequency. No deaths were reported for notifiable infections—Pneumonia (4) and Tuberculosis (2) excluded. Five of the seven cases of diphtheria occurred in unimmunised subjects and greater advantage should be taken of facilities for prevention at private Doctors' Surgeries or clinic.

My acknowledgments are due to those who provided me with returns which materially assisted in furnishing the Report.

I am,

Mr. Chairman and Gentlemen,

Your Obedient Servant,

J. BATTERSBY,

Medical Officer of Health.

PUBLIC HEALTH DEPARTMENT STAFF.

Medical Officer of Health —

J. BATTERSBY, M.B., Ch.B., D.P.H. (Glas.)
(On Active Service, April to December)

Acting Medical Officer of Health—

J. B. McKINNEY, M.B., Ch.B., D.P.H.

Sanitary Inspector—H. H. JOHNSON, C.R.S.I., M.S.I.A.

VITAL STATISTICS

Area (in Acres)	3,394
Population (Registrar-General Estimate)	11,070
Based on Ration Books Issued	11,034
Number of Inhabited Houses	4,000
Number of Families or Separate Occupiers	4,400
Rateable Value	£54,938
Product of Penny Rate for Financial Year, 1944-45	£224

Births—

	Male		Female	Total
Total	92	Total	105	197
Legitimate	86	Legitimate	101	187
Illegitimate	6	Illegitimate	4	10

BIRTH RATE 17.8

STILL BIRTHS... 2 Male ... Total ... 2

Rate per 1,000 Civilian Population18

Deaths—Males ... 61 Female ... 79 Total ... 140
Death Rate 12.65

Maternal Mortality—There were no Maternal Deaths recorded.

Infantile Mortality—

5 Infants under 1 year of age died during the year; 2 Male and 3 Female. Rate per 1,000 live Births ... 25.38

Deaths from Enteritis—Under 2 years of age ... Nil

For comparison with other Districts, and with England and Wales, and also with 1943 and 1944 in Mirfield, a Summary is set out below ;—

Rate per 1,000 Civilian Population (except where indicated)	England and Wales		140 Smaller Towns 25-50,000		Mirfield		
	1944	1945	1944	1945	1943	1944	1945
Live Births ...	17.6	16.1	20.9	19.2	14.58	17.28	17.8
Still Births ...	.5	.46	.61	.53	.63	1.07	.18
Deaths (all Causes)	11.6	11.4	12.4	12.3	14.22	12.53	12.65
*Infantile Mortality ...	46	46	44	43	24.8	31.088	25.38
Deaths from Enteritis (under 2 years old)	4.8	5.6	4.4	4.5	Nil	Nil	Nil

* Rate per 1,000 Live Births.

The causes of death and number(s) under each head were as follows :—

Tuberculosis of Respiratory System	2	Premature Birth	1
Cancer (all Sites)	23	Inter-Cranial Vascular Lesions	26
Influenza	1	Heart Disease	37
Diabetes	4	Other Circulatory Diseases	3
Other Digestive Disturbances	3	Bronchitis	11
Nephritis	7	Pneumonia	4
Con. Mal ; Birth Injuries, Infant Dis.	5	Violent Causes	5
		All Other Causes	8
		TOTAL ...	140

A ii SOCIAL CONDITIONS.

Mirfield is a busy industrial centre and local industries (woollen, cotton mills) absorb all workers capable of industrial employment. Several factories provide canteen facilities and clinics with nurses and doctors in attendance. Overcrowding is prevalent, most houses are without bathrooms, many are of the "Back to back" type, privies are numerous, soot fall is high—all factors which depress hygienic standards.

There is ample scope for progress.

B HEALTH PROVISIONS.

Maternity and Child Welfare is a County Council function. Ante and Post Natal, and Infant Welfare Clinics are held at Ings Grove—the property of the local authority. The centre is modern, well maintained, but at present insufficient accommodation is provided for work undertaken.

Mirfield being without a Local Nursing Home for Maternity Cases; Dewsbury, Huddersfield and Staincliffe County Hospital receive cases from this area. The District Nursing Association provides Midwives for Domestic Midwifery.

Verminous infestation is reported principally through School Nurses; the Medical Officer of Health is also School Medical Officer locally, which facilitates cleansing of cases and contacts. There is need of a Cleansing Centre since the closure of Lower Hopton First Aid Post.

C (i) WATER.

The district receives the bulk of its supply from Huddersfield Corporation. The supply is constant and direct to the houses,

In addition to the above there are seven shallow wells, four springs and one private reservoir, supplying 57 houses. On this latter means of supply 51 houses are solely and 6 houses partly dependent.

Six samples (3 Chemical, 3 Bacteriological) of water from several springs etc., in the area were submitted to the County Laboratory for examination and were reported satisfactory.

(2) Drainage and Sewerage.

Except in isolated cases the district is provided with sewers. No other extension has been made during the year.

(3) Rivers and Streams.

The river Calder runs through Mirfield and is in a polluted state when it enters the district.

(iii) SANITARY CIRCUMSTANCES—

See Sanitary Inspector's Report.

D HOUSING.

There was no major change to report on the Housing position during the year :—

A five year programme for the erection of 475 permanent plus 50 temporary houses should relieve the acute housing shortage in Mirfield. Top priority is granted to households where open Tuberculosis exists and there is additionally overcrowding with young children in the family.

Overcrowding Particulars.

(a)	1	Number of Dwelling Houses Overcrowded at the end of the year	30
	2	Number of Families dwelling therein	30
	3	Number of Persons dwelling therein	158
(b)		Number of New Cases of Overcrowding reported during the year	9
(c)	1	Number of Cases of Overcrowding relieved during the year	1
	2	Number of Persons concerned in such cases	6

E INSPECTION SUPERVISION—Food.

(See Sanitary Inspector's Report).

F PREVALENCE OF, AND CONTROL OVER INFECTIOUS DISEASES.

Excluding Tuberculosis, there were 154 notifications in all; distributed as follows:—

	Notified	After Adjustment
Diphtheria	10	7
Scarlet Fever	26	26
Measles	110	110
Whooping Cough	6	6
Cerebro-Spinal Fever	1	1
Ophthalmia Neonatorum	1	1

Diphtheria—

Of 10 notifications, only 7 cases were considered true Diphtheria, two of these occurring in immunised and 5 in unimmunised subjects. No deaths were reported.

Scarlet Fever—

The disease remains mild in type; peak periods occurred in September to November, although there were admissions to Hospital throughout the year.

Measles—

The peak period occurred in January to March, when 105 cases were notified.

IMMUNISATION.

The position is shown in the Return to the Ministry of Health for December 31st, 1945.

		Under 5	5,15
(a)	Estimated Number of Children in Authority's Area at 31st December, 1945	...	843 1,590
(b)	Number of Children Immunised	...	317 952

These figures include children immunised by arrangement through the County Council's Scheme, which offers immunisation through private Doctor or Child Welfare Clinic. This Clinic is held on Fridays at Ings Grove. The Course given is one of two injections, spaced at an interval of one month,

Diphtheria is a grave menace to the life and health of a child, and it must clearly be realised that much higher percentage of immunisation in the pre-school child is required if the disease is to be eliminated.

Tuberculosis.

Six fresh cases were notified: 4 Pulmonary (2 Male, 2 Female) and 2 Non-Pulmonary (2 Males). At the end of the year the figures representing the position in Mirfield were:—

		Pulmonary		Non-Pulmonary	
		Male	Female	Male	Female
(a)	Number of cases on Register at commencement of year ...	16	9	5	10
(b)	Number of Cases notified first time during the year ...	2	2	2	---
(c)	Number of Cases restored to Register ...	—	—	—	—
(d)	Number of Cases removed from Register ...	1	—	—	—
(e)	Number of Cases remaining on Register ...	17	11	7	10

NEW CASES		PULMONARY		NON-PULMONARY	
		Male	Female	Male	Female
Under 1	...	—	—	—	—
1- 5	...	—	—	—	—
5-10	...	—	—	—	—
10-15	...	—	—	1	—
15-20	...	1	1	—	—
20-25	...	—	1	1	—
25-35	...	—	—	—	—
35-45	...	—	—	—	—
45-55	...	1	—	—	—
55-65	...	—	—	—	—
65 & Over	...	—	—	—	—
		2	2	2	—

Bacteriological Specimens examined during 1945 /—

Sputum	...	...	...	12
Blood Films	...	...	..	16
Widal	...	...	...	2
Swabs for C. Diphtheriæ	...	...	...	29
General Urines	...	...	...	26
Milks for Bacteriological Examination				12
Waters	...	...	...	2
Biochemical Specimens	...	...	...	1
Miscellaneous	...	...	...	2
Hæmolytic Streptococci	...	...	...	5
Urine for Friedman Test	...	...	...	12
TOTAL				119

ANNUAL REPORT
FROM THE
Sanitary Inspector's
AND
Cleansing Superintendent's
DEPARTMENT.

Mr. Chairman and Gentlemen,

I have the honour to present for your consideration my Fifth Annual Report of the Sanitary Conditions appertaining to your district for the year 1945.

The part relating to the Cleansing Department extends to the end of the financial year, that is 31st March, 1946.

The year was a memorable one, in that it brought the cessation of hostilities. In June arrangements were put in hand for the return of evacuated children and adults to London and Hull. The work entailed was considerable but was carried out very expeditiously and I thank all those voluntary workers who helped in this work. I again have to thank all those residents who cared for the children during their stay in Mirfield.

In conclusion my thanks are due to the Chairman and Members of the Health Committee for their support and interest in all matters relating to the work of the department, and also to all Officials of the Council for their valuable assistance and co-operation which has been greatly appreciated.

I am,

Your obedient servant,

H. H. JOHNSON.

SANITARY CIRCUMSTANCES OF THE AREA.

Sanitary Convenience—

Closet Accommodation, December 31st, 1945 :—

Number of Privies ...	...	...	273
„ Privies Ashpits ...	...	...	162
„ Dry Ashpits ...	...	...	23
„ Dust Bins ...	...	...	3609
„ Water Closets ...	...	...	3856
„ Waste Water Closets ...	...	...	53
„ Pail or Tub Closets ...	...	...	33
„ Privies Discontinued ...	...	...	3

Number of Water Closets provided during the year is as follows :—

By conversion of Privies to Water Closets ...	...	...	3
By provision of Extra Closet Accommodation to existing property where insufficient ...	...	...	2
By provision to new property ...	...	...	Nil
By conversion of Waste Water Closets to W.C.'s ...	...	...	Nil
By conversion of Tub Closets to W.C.'s ...	...	...	Nil
TOTAL ...			5

	Privies	W.C.	Waste W.C.	Tub Closets	Bins
Eastthorpe Ward ...	38	1025	11	0	947
Hopton Ward ...	65	601	28	21	694
Battleyford Ward ...	90	1170	14	10	951
Northorpe Ward ...	80	1060	0	2	1017
TOTAL ...	273	3856	53	33	3609

SANITARY INSPECTION OF THE DISTRICT.

Details of Inspections Made.

The term “inspection” refers to the primary visit made to the premises. A “re-inspection” is a visit made after a notice has been given for the remedying of a defect, to ascertain the action taken to comply with the notice.

Total number of inspections made ...	1377
Total number of re-inspections made ...	236

Dwelling Houses.				Primary Inspections	Re- Inspections
Ordinary ... ..	...	...	...	404	72
Municipal Houses ... ..	...	...	...	9	
Housing Act, 1936, Overcrowded			...	19	
Re Notifiable Diseases		...	...	46	
Re evacuation ... ..	...	...	...	166	
Sanitary Conveniences.					
Water Closets ... ..	...	...	...	84	17
Privies ... ..	...	...	...	63	
Cesspools ... ..	...	...	...	5	3
Refuse Storage.					
Ashplaces ... ..	...	...	...	—
Ashbins ... ..	...	...	...	33	24
Drains.					
Inspections ... ..	...	...	...	35	2
Chemical Test ... ..	...	...	...	5	
Sewers.					
Sewers ... ..	...	...	...	11	
Factories.					
Factories (with mechanical power) ...			...	25	1
Factories (without mechanical power)			...	10	
Food Storage, Preparation, Etc.					
Bakehouses ... ..	...	...	...	16	2
Butchers' Shops ... ..	...	...	...	2	
Cowsheds ... ..	...	...	...	74	
Dairies, Milk Shops, Milk Stores			...	36	
Fish Fryers ... ..	...	...	...	9	1
Food Stores ... ..	...	...	...	4	
Markets ... ..	...	...	...	5	
Shops ... ..	...	...	...	25	
Slaughterhouses ... ..	...	...	...	1	
Public Houses ... ..	...	...	...	2	
Miscellaneous.					
Accumulations ... ..	...	...	...	7	4
Animals, Poultry ... ..	...	...	...	3	
Canal Boats ... ..	...	...	...	—
Dangerous Structures		...	...	1	
Nuisances found		...	...	10	
Piggeries ... ..	...	...	...	3	
Rats and Mice ... ..	...	...	...	52	1
Sanitary Inspections		...	...	27	109
Schools ... ..	...	...	...	7	
Shops Act ... ..	...	...	...	25	
Smoke Observations		...	...	11	
Special Visits ... ..	...	...	...	121	
Tips ... ..	...	...	...	3	
Urinals ... ..	...	...	...	12	
Van Dwellings ... ..	...	...	...	5	
Yards and Courts		...	...	1	

NOTICES SERVED.

Informal Notices Served	...	...	...	33
Informal Notices complied with	...	...	...	22
Statutory Notices Served	...	...	...	8
Statutory Notices complied with	...	...	...	6
Notices Outstanding at end of 1945	...	...	...	17
Verbal Notices given and complied with for the Remedy of Defects, etc.	...	...	...	31
Letters sent	...	...	...	48
Complaints received	...	...	...	45
Complaints confirmed	...	...	...	41

SUMMARY OF SANITARY IMPROVEMENTS EFFECTED.

Houses.

Houses made Fit	...	...	...	29
Cleansed or Limed	...	...	...	11
Vermin Infested	...	...	...	11
Overcrowding Abated	...	...	...	1
Damp Proof Course Provided	...	...	...	—
Washing Accommodation Improved	...	...	...	2
Roofs Repaired	...	...	...	8
Eaves Spouting, Rain Water Fall Pipe Repaired	...	...	...	10
Rain Water Fall Pipe Disconnected	...	...	...	—
External Walls Repaired	...	...	...	2
Internal Walls Repaired	...	...	...	27
Floors Repaired	...	...	...	3
Doors Repaired	...	...	...	2
Fire-Places Repaired	...	...	...	8
Wells Abolished	...	...	...	—
Yards Paved	...	...	...	—
Yards Cleansed	...	...	...	2
Dangerous Structures Removed	...	...	...	—
Coal Stores Improved	...	...	...	—

Drains.

Opened for Inspection	...	...	...	3
Repaired	...	...	...	3
Reconstructed	...	...	...	1
Cleansed by Owner	...	...	...	3
Ventilated	...	...	...	2
Disconnected	...	...	...	—

Accumulations.

Manure	...	...	...	2
Other	...	...	...	4

Animals, Poultry, Etc.

Nuisances Abated	3
------------------	-----	-----	-----	---

SUMMARY OF SANITARY IMPROVEMENTS EFFECTED — *Continued.*

Ash-Bins and Ash-Places.

Bins Renewed	...	...	...	29
Ash-Places Repaired	...	...	...	—

Closets.

Privies Repaired	3
------------------	-----	-----	-----	---

Sinks.

New Provided	...	...	...	15
Waste Pipe Trapped	...	...	...	10
Waste Pipe Repaired	...	...	...	3

Piggeries.

Swine Removed	—
---------------	-----	-----	-----	---

Water Closets.

Cleansed or Limed	...	...	...	4
Repaired	...	...	...	2
Additional W.C.'s Provided	...	...	...	2

SHOPS ACT, 1934

Regular visits have been made under the Shops Act, 1934, during the year. No contraventions of the Act have been found.

SMOKE ABATEMENT.

Eleven observations were made during the year. Excessive Black Smoke was emitted in four cases, and the factories concerned were served Warning Notices.

The difficulties of controlling the emission of black smoke have been aggravated by the unsatisfactory coal supply

Occupiers of factories invariably plead that inefficient firing is due to the poor quality of fuel received. The whole question of smoke pollution, however, is receiving serious consideration, and it is to be hoped that in the near future more effective legislation will be introduced to alleviate this menace to the Health of the Country.

It should be borne in mind however, that smoke abatement is also the concern of the private dwelling, and that much can be achieved by ensuring that in the new building programme provision is made for the installation of stoves of modern design which will burn bituminous coal with reduced smoke emission, or will burn smokeless fuels, such as coke or anthracite.

ERADICATION OF BUGS.

Number of Council Houses found to be Infested...	Nil
Number Disinfested	Nil
Other Houses found to be Infested	11
Number Disinfested	11

PREMISES & OCCUPATIONS WHICH CAN BE CONTROLLED BY BYE-LAWS & REGULATIONS.

All premises and occupations within the district which can be controlled by Bye-Laws are already so controlled. There are no Lodging-Houses or Underground Sleeping Rooms, and only occasionally do we have Van Dwelling in the district. Two licences in respect of Vans were issued during the year.

INSPECTION AND SUPERVISION OF FOOD.

Milk Supply—

Producer Retailers in the District	21
Producers from Outside, Retailing in the District	7
Dairymen in the District	2
Dairymen from Outside District	3
Retail Purveyors in the District	33
Cowkeepers in the District	27
Milk Purveyors added to the Register during year ...	Nil
Milk Purveyors who have Discontinued during year	1
Cowkeepers added to Register during year ...	Nil

The Cowsheds and Dairies have been regularly inspected throughout the year, and in addition the cows have been subject to inspection the Veterinary Officers of the Ministry of Agriculture and Fisheries. With the exception of minor defects the several Cowsheds and Dairies have been conducted in a satisfactory manner.

BACTERIOLOGICAL EXAMINATION OF MILK.

During the year 12 samples of Ordinary Milk and 17 samples of Designated Milk were submitted to the County Health Department for Bacteriological Examination. The results are as follows:

TOTAL	GRADE	INSIDE DISTRICT		OUTSIDE DISTRICT	
		Satis- factory	Unsatis- factory	Satis- factory	Unsatis- factory
12	Ordinary ...	4	1	4	1
3	Tuberculin Tested	2	—	1	—
14	Accredited ...	13	—	1	—

The results of samples submitted for Bacteriological Examination, show that of the 29 samples of Milk from Retailers, 25 or 86.2% were reported to be satisfactory. Follow-up samples were taken of the unsatisfactory Milks, and these have now been reported to be satisfactory.

MILK (Special Designations) ORDER 1936-1938.

Number of Licences in operation during 1945...	11
Licences issued by W.R.C.C.—	
Accredited Milk	9
Tuberculin Tested	1
Licences issued by the Council—	
One Licence (Supplementary) to Retail Pasteurised Milk	1

FOOD AND DRUG ACTS, 1938.

By arrangement with the West Riding County Council, 6 samples of Milk were submitted for analysis under the Food and Drug Acts, 1938 during the year. It is gratifying to report that only one sample was reported upon adversely by the Analyst, the remaining 5 samples being reported satisfactory.

In addition the Officers of the West Riding County Council submitted 19 samples for analysis (one of which was reported to be adulterated), and 7 samples of other foodstuffs.

These figures of samples of Foodstuffs which have been taken during the year by the Inspectors are most encouraging, and indicate the care and attention which is being given to the work in this area.

REGISTRATION OF FOOD PREMISES.

(a) Register of Ice Premise—

Three Premises are Registered for the Sale of Ice Cream.

(b) Register of Food (Preparation and Manufacture Premises)—

Twelve Premises are Registered for the Preparation or Manufacture of Food Products.

Thirteen are Registered for the Preservation of Fish Cooking.

These premises have been regularly inspected during the year, and apart from minor details, there has been no serious contravention of the Act, during the year. Sanitary improvements were made during the year to two cleaning rooms at fish frying premises.

SLAUGHTER-HOUSES.

The number of Licenced Slaughter-houses in the District is 7.

Slaughtering for this District is carried out at the Spennborough Abattoir under the control of the Ministry of Food.

RATS AND MICE DESTRUCTION ACT, 1919. INFESTATION ORDER, 1943.

A considerable amount of time has been spent on surveys for Rat Infestations throughout the district during the past 12 months. During 1944 two treatments of the sewers were completed, and in June, 1945, the first maintenance treatment of the sewers was completed.

In all 256 man-holes were baited, and it is estimated that approximately 600 rats were destroyed. In addition 7 treatments were carried out on private premises with satisfactory results. The rat menace would appear to be under control in this area. We are very fortunate in that little or no trouble is experienced at tips and sewage works.

The prolific rate of breeding among rats, however, necessitates constant efforts for their destruction being maintained. The procedure recommended by the Ministry of Food is being carried out, and in addition to your Sanitary Inspector, Mr. F. W. Popplewell, Foreman, has been trained in the approved technique, and carried out much of this work.

CONDEMNATIONS OF UNSOUND FOOD.

The following items were surrendered and condemned as unfit for human consumption during the year :—

Pork Trimmings	...	190 lbs
Beans and Pork	...	51 lbs
Pea Soup	...	5 lbs
Vegetable Soup	...	29 lbs
Chopped Ham	...	2 lbs
Peas	...	4 lbs
Baked Beans	...	3 lbs
Stewed Steak	...	1 lb
Prem	...	12 ozs
Sardines	...	4 ozs
Broth	...	1 lb
Eggs in Shell	...	188
Pork Luncheon Meat	...	5 lbs
Beef	...	4 lbs
Corned Beef	...	39 lbs
Evaporated Milk	...	87 lbs
Bacon	...	24 lbs
Lemon Curd	...	14 lbs
Cockles	...	28 lbs
Chopped Ham	...	6 lbs

SCAVENGING.

The Staff engaged on this work consists of 2 Drivers, 8 Dustmen and 1 Tipman, under the supervision of the foreman. In addition one man is engaged on Salvage Work.

The two Refuse Collecting Vehicles, which are now 9 years old, continue to give remarkably good service. The repairs account for these vehicles and the re-conditioned Morris Tipper, which was

SCAVENGING.—Continued.

purchased in 1944, amounted to £88, including £29 for Tyres, £29 for re-lining of brakes and £12 for renewal of tipping gear. Apart from these major items the total repair account for the three vehicles during the year amounted to only £18.

The condition of the vehicles is a tribute to the care and attention of the Drivers and employees of the Department.

A regular collection of refuse from dwellinghouses every fortnight was maintained during the year. Shop refuse was collected weekly. Pail closets were emptied weekly and privy middens once a month.

Commencing 1st January, 1946, a weekly pre-war collection of refuse in this area was re-introduced and is continuing satisfactorily.

Details of the work carried out by the Department during the year are set out below :—

Waggon No.	Loads to Tip	Bins	Privies	Ashpits	Pail Closets	Trade Refuse
1	992	53,307	1100	1084	1468	69
2	1036	55,023	1731	1105	132	124

All refuse during the year was disposed of by controlled tipping in the quarry at Stocks Bank Road, at the cost of a Tipman's Wages only.

COLLECTION AND DISPOSAL OF REFUSE.**EXPENDITURE.**

					£	s.	d.
Wages	...	...	...	..	2263	9	9
Oil	...	...	...	...	4	18	0
Repairs	...	...	...	...	85	18	3
Sundries	...	...	...	...	31	10	2
National Health Insurance	...	...	...	...	59	12	5
Petrol	...	...	...	...	175	3	5
Licenses	...	...	...	...	95	0	0
Insurances	...	...	...	...	29	8	6
Rates	...	...	...	...	11	2	0

TOTAL ... £2756 2 6

INCOME..

			£	s.	d.
Sundry Rents	...	...	20	0	0
Trade Refuse	...	...	30	18	9
Sundry Charges	...	..	10	3	3
Lorry	...	...	219	1	8

TOTAL ... 280 3 8

Net Cost ... 2475 18 10

1000 1000 1000 1000

SALVAGE, 1945-1946.

The results of the Salvage effort during the year are set out below. All Salvage Depots have now been discontinued. The need however, for the Salvage of Waste Paper and Kitchen Waste continues, and it is hoped that the public will respond to the improved collection service which is now being given by placing as much waste paper as possible near their bins for collection by the refuse collectors. The returns of Kitchen Waste are disappointing, and would greatly increase if householders would make proper use of the Kitchen Waste Bins situate throughout the district.

SALVAGE RETURNS.

1944-1945						1945-1946					
Tonnage			Income			Tonnage			Income		
T	C	Q	£	s	D	T	C	Q	£	s	D
176	19	0	677	18	8	168	15	2	621	16	10

INCOME FROM SALE OF SALVAGED MATERIAL.

			T	C	Q	LBS.	£	s	D
Paper	...	...	68	10	0	0	436	14	0
Rubber	...	...					
Scrap Metal	...	...	5	14	1	0	14	5	6
Bottles and Jars	...	...	20	19	1	14	52	8	0
Rags	...	...		8	1	2	6	2	7
String	...	...		2	1	22		5	10
Bones	...	...		14	1	14	3	10	2
Other Metals	...	...					
Kitchen Waste	...	...	72	7	0	0	108	10	7
							168	15	2
							24		
							621	16	10

The results of the Salvage efforts in this area during the War years are shown by the following Table which indicates the benefits accruing to the Nation and to the district by this means.

“WASTE NOT, WANT NOT.”

		TONNAGE			INCOME		
		T	C	Q	£	s	D
1940	...	177	9	1	525	17	4
1941	...	171	7	2	595	13	2
1942	...	227	16	0	1023	15	5
1943	...	210	11	3	857	8	10
1944	...	176	19	0	677	18	8
1945	...	168	15	2	621	16	10
		1132	19	0	4302	10	3



